What is claimed is:

- 1. A method for diagnosing the presence of gastrointestinal cancer in a patient comprising:
- (a) determining levels of GSG in cells, tissues or 5 bodily fluids in a patient; and
- (b) comparing the determined levels of GSG with levels of GSG in cells, tissues or bodily fluids from a normal human control, wherein a change in determined levels of GSG in said patient versus normal human control is associated with the presence of gastrointestinal cancer.
 - 2. A method of diagnosing metastases of gastrointestinal cancer in a patient comprising:
- (a) identifying a patient having gastrointestinal cancer that is not known to have metastasized;
 - (b) determining GSG levels in a sample of cells, tissues, or bodily fluid from said patient; and
- (c) comparing the determined GSG levels with levels of GSG in cells, tissue, or bodily fluid of a normal human control, wherein a decrease in determined GSG levels in the patient versus the normal human control is associated with a cancer which has metastasized.
- 3. A method of staging gastrointestinal cancer in a 25 patient having gastrointestinal cancer comprising:
 - (a) identifying a patient having gastrointestinal cancer;
 - (b) determining GSG levels in a sample of cells, tissue, or bodily fluid from said patient; and
- 30 (c) comparing determined GSG levels with levels of GSG in cells, tissues, or bodily fluid of a normal human control, wherein a decrease in determined GSG levels in said patient versus the normal human control is associated with a cancer which is progressing and an increase in the determined GSG

levels is associated with a cancer which is regressing or in remission.

- 4. A method of monitoring gastrointestinal cancer in 5 a patient for the onset of metastasis comprising:
 - (a) identifying a patient having gastrointestinal cancer that is not known to have metastasized;
 - (b) periodically determining levels of GSG in samples of cells, tissues, or bodily fluid from said patient; and
- 10 (c) comparing the periodically determined GSG levels with levels of GSG in cells, tissues, or bodily fluid of a normal human control, wherein a decrease in any one of the periodically determined GSG levels in the patient versus the normal human control is associated with a cancer which has 15 metastasized.
 - 5. A method of monitoring a change in stage of gastrointestinal cancer in a patient comprising:
- (a) identifying a patient having gastrointestinal 20 cancer;
 - (b) periodically determining levels of GSG in cells, tissues, or bodily fluid from said patient; and
- (c) comparing the periodically determined GSG levels with levels of GSG in cells, tissues, or bodily fluid of a normal human control, wherein a decrease in any one of the periodically determined GSG levels in the patient versus the normal human control is associated with a cancer which is progressing in stage and an increase is associated with a cancer which is regressing in stage or in remission.
 - 6. A method of identifying potential therapeutic agents for use in imaging and creating gastrointestinal cancer comprising screening molecules for an ability to bind to GSG wherein the ability of a molecule to bind to GSG is indicative

30

of the molecule being useful in imaging and treating gastrointestinal cancer.

- 7. The method of claim 1, 2, 3, 4, 5 or 6 wherein the 5 GSG comprises SEQ ID NO:1 or 3 or a polypeptide encoded thereby.
- 8. A method of imaging gastrointestinal cancer in a patient comprising administering to the patient an antibody 10 raised against GSG.
 - 9. The method of claim 8 wherein said antibody is labeled with paramagnetic ions or a radioisotope.
- 10. A method of treating gastrointestinal cancer in a patient comprising administering to the patient an agent which upregulates expression or activity of GSG.